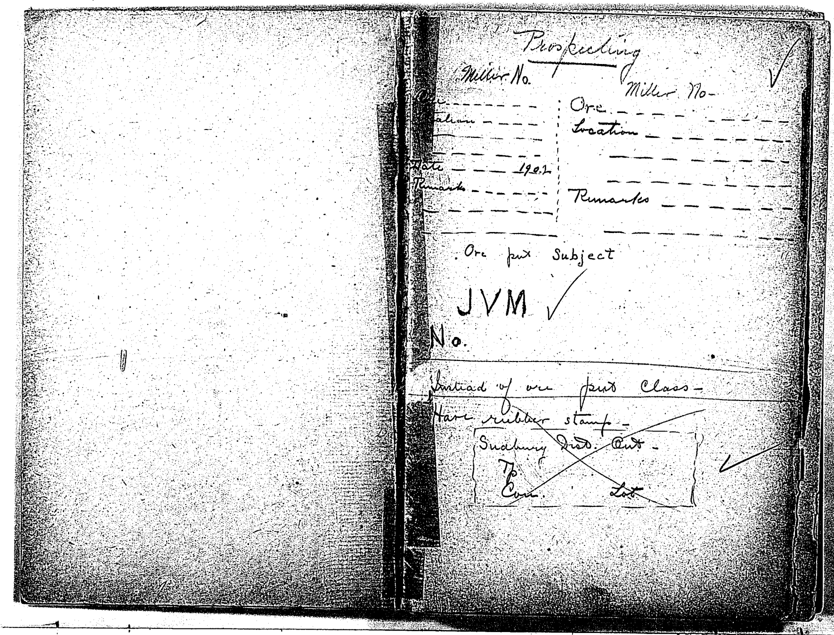
Mining Exploration Company of New Jersey and Related Records
Field Operations Notebook, N-02-00-00.1

This undated notebook was probably used during January-March 1902. Most of it was used by John V. Miller and unidentified authors, but there are some notations by Edison, including instructions relating to the production of a recording device. The entries consist primarily of notes and lists pertaining to mining surveys, supplies, equipment, and field work assignments. Near the beginning of the book is a draft letter of agreement for the employment of dipping-needle operators. The pages are unnumbered, and the book has been used in both directions. Approximately 25 pages have been used.



Prospecting

Miller No.

Ore ----

ation ----

Date ---- 1902

Remarks ----

Miller No-

Ore ----

Location ----

Remarks ----

Ore put Subject

JVM ✓

No.

Instead of ore put Class-

Have rubber stamp-

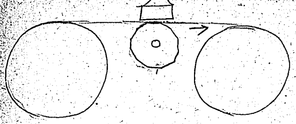
~~Sudbury Dist. Ont-~~

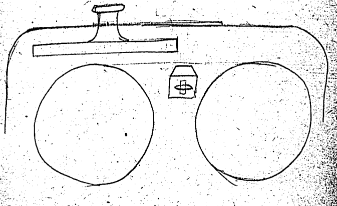
~~Tp.~~

~~Con. Lot~~

✓

— 0 1 2 3 4 5 6 7 8 9





Reports Order #5

Maps (Survey) ✓

" (Gov)

To county seats for county maps ✓
showing roads, streams, etc
on as large scale as possible.
U.S. Geo. Survey –
Geo. maps of Conn. & Mass.
Ontario Geo. Survey – maps & reports.

Geologist & mineralogist.
Yale
Columbia

For Conn. & Mass. only – ✓
Salary – $6 as high as $3.–
To begin work 1st of April –
To go over country in advance & locate likely ground, then with Miller to locate extent Survey should cover –

I, the undersigned do hereby agree to act as "needle man" for ~~Edison Storage Battery Co.~~ (Mr. Edison) or ~~the~~ his representative during the season of 1902, from July 1, to Nov 15 or thereabouts, in Canada under the following conditions –

(1) To act through the entire season, or forfeit my expenses in returning home, if I give up the work for any personal reason, except sickness, or am discharged for any wilfull neglect of duty.

(2) That I shall abide by any necessary & reasonable regulations for the carrying on of the work.

(3) That I shall receive $2 per day (Excluding Sunday) & all necessary living & travelling Expenses.

(4) That I shall be allowed $25 for clothing

(5) A days work shall consist of not more than 10 hours of actual needle work.

Needle Men –

Nos. of men for Conn. – – – ? Miller Lloyd & geologist + six needle

" " " " Canada – – ? 12 needle men & ~~other~~ helpers

Pay – $2 per day and living Expenses –

advancing of $25 ~~[illegible]~~ will be allowed

~~Allowing $25 for clothing~~ ?

~~Advancing $25~~

$25 will be advanced on wages to permit purchase of clothing ?

Agreement – (Opp)

Character of work explained.

Post notice for men in Lab.

Conn.	Canada
Opdyke –	Opdyke
Sadlier –	Sadlier
Dolan –	Dolan
~~Brehaut~~	~~Brehaut~~
~~Stokes~~ –	Upton
Maryon –	Students
Williams	

Canadian –

1 man – Guide

1 Cook

3 Helpers

Survey in Connecticut & Main

Magnetic survey of all bodies of rock similar to that about Prospect Mountain (Porphyry containing hornblende & purple feldspar)

Starting with Prospect Mt. –
Then moving to, – (?)
Running lines 100' apart.
Taking 20' readings –) OK July
Base line (?)
Detail surveys . 5'×2~~0~~6'

Upon location of attraction, notify Mr. Hubbard to investigate owner, titles, price
~~Has shaft to pumped out~~ ? –
~~Bottom blasted for samples ?~~ –

Sunny in Canada.

Needles & compasses.

Needles to be changed to read + +
deflections by same end of beam -
Holes stopped up - ✓
Support made more free - ✓ Order # 6
12 on hand.
Order new instruments to make up 18
in all - ✓ Order # 11 12 on hand -
Extra glasses - On hand -
" jewels -
Tools for compasses - On hand -

Compasses - 18 in all - 1½" diam Order # 16 ✓
3 on hand - or more

Recording device

One made as model -

To be of aluminum -

Order #6

13 made in all -

To be supplied with belts, extra type, ink rollers, reels, paper etc.

Necessary for Comm.

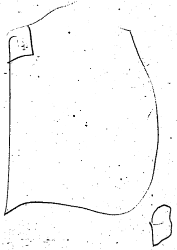
To be made immediately.

Put on extra men - (?) in J. O. room

Apparatus for winding reels -

OK = John want 6 by 3rd April - put on Extra men if necessary to get them ready -

Edison



Miscellaneous -

~~Needle cases~~ - ✓ filled / 2 in all - Order #7

Hatchets + cases - " " " " #7

~~Counter (Bunnell)~~ (filled) 2 " #8

~~Blowpipe outfit~~ - " #9

~~Specimens of mineral + rock from~~ " #9
~~Foote of Philadelphia.~~

~~Note books~~ - Order #9

~~Ruled paper~~ - (filled) Order #1

~~Small + large sample bags~~ (filled) - Order #4

~~Belts for recording machines~~ Order #7

~~Sample slips (printed)~~ (filled) " #2

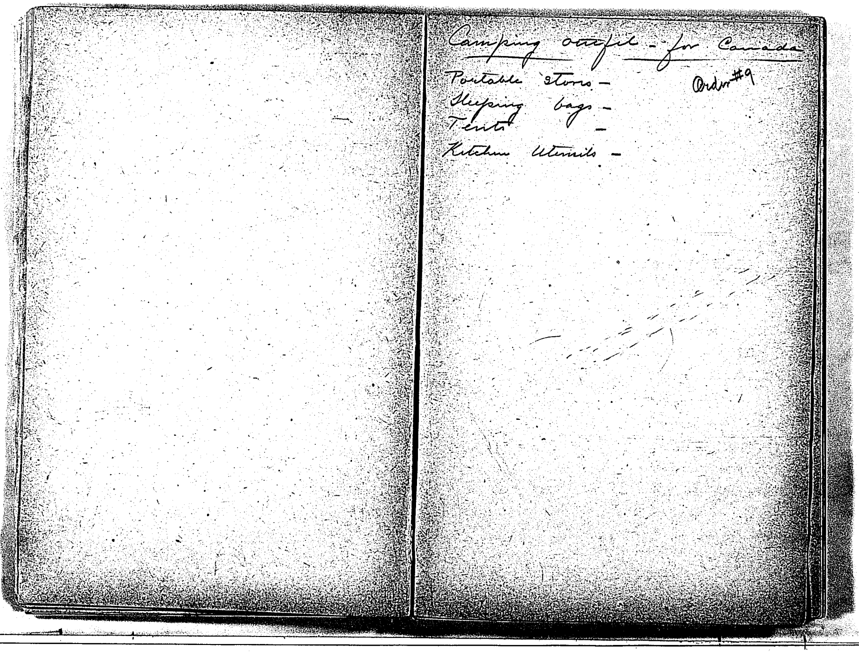
~~Stamps for marking sample sacks~~ filled " #3

~~Camera - Films -~~
Developing outfit
Tubing + filled

~~Stationery~~ -

~~Trunk~~ -

OK TWE



Camping outfit - for Canada

Portable stoves -
Sleeping bags -
Tents -
Kitchen Utensils -

Order #9

Self

Obtained
~~Boots~~
~~Shoes~~
~~Pants {Cor. / Duck.~~
~~Underwear~~
~~Flannel Shirts~~
~~Belt~~
~~Coat~~
~~Gloves.~~
~~Corduroy hat.~~

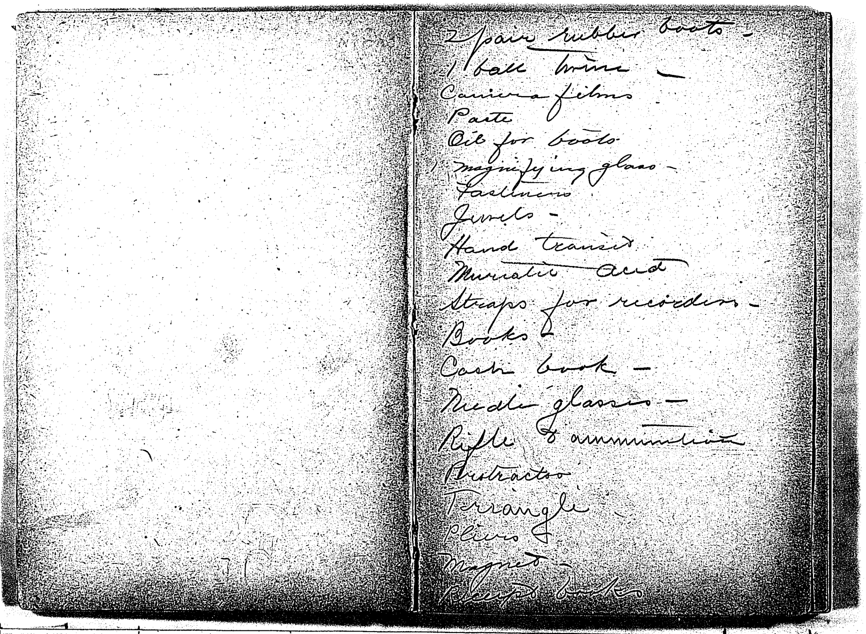
Yet necessary
~~1 doz. socks.~~
~~2 Flannel Shirts~~
1 ~~Soft~~ hat.
1 ~~knife~~ -
~~Ammo for guns.~~

Necessary for N. Mex.
~~Dip Needle~~ ✓
~~Compass~~ ✓
Rec. mach. -
~~Lunch bag~~ - ✓
Hatchet
~~Canteens~~ - ✓

General Necessaries
~~Ration papers~~
Stationary -
Stamps
~~Envelopes.~~
~~Paper~~
~~Pencils~~
~~Shipping tags~~
~~Rubber~~
~~Aneroid~~ ✓
~~Tape line~~ ✓
~~Apparatus for Rec Mach.~~ ✓
~~Needle tools~~ ✓
~~Paper ribbons~~ ✓
~~Tripod~~
~~Films.~~
~~Trunk~~
~~Transit (Small)~~
~~Maps.~~
~~Sample bags~~ ✓
~~Pros picks~~ ✓
~~Counters~~ ✓
~~Sample blanks~~ ✓

Packed in trunk -

1/8 + 5/8 Ruled paper -
E.L. Writing paper -
Dip needle tools -
Note books -
Sample slip blanks -
Envelopes -
Pencils -
Tags -
Pads -
Water colors -
Topo. Maps -
7 Canteens
8 Sacks -
8 Needle Cases { Compass
Counters
Recorder reels - Tape
2 Prospect picks
1 Pick case
5X7 Camera - + attach
1 Tripod -



2 pair rubber boots -
1 ball twine -
Camera films -
Paste
Oil for boots
1 magnifying glass -
Fasteners
Jewels -
Hand transit
Muriatic acid
Straps for recorders -
Books -
Cash book -
Needle glasses -
Rifle & ammunition
Protractors
Triangle
Pliers &
Magnets -
Receipt books

Strong 604 -

5280
150/2640 17.6
150
1140 18
1050 9 min -
900
900

Canada

Survey

If run 100' lines -
12 min will cover 1200' single trip
" " 2400' round "

If run 150' lines
12 min will cover 1800' single trip
3600' double "

Necessary – 1 tent for supplies –
1 " " 6 help –
14 men 2 " " Mide men

Equipment

Tents on hand –

14' x 20' – 1 Grub – & living –
8' x 14' – 1 Help –
8' x 12' – 1 Supplies –

Needed –

8 x 14' – 2 Mide men.

Canvas fly – for eating, living & cooking, with a special ~~fly~~ curtains around stove –

One stove –

Men

Eubanks ✓
" ✓
Brown – ✓
✓
Dunns –
Sadler -
Devine –
Humiston – ✓
Flora - ✓
Riley ✓
Hazard ✓
Lincoln ✓

For Ranger - ✓

Air tents, blankets etc. ✓
~~Get out~~ cooking utensils ✓
& add to them if necessary for 20 men
See to new tents, ✓
Get new blankets. ✓
~~Take small case for instruments to Factory & have it finished up with catch & polished.~~
Go down to lot of Mr Snider & look over eastern half for old markings.
See Tom, Rubey & Shields - & engage conditionally two more men

Me to get in Montreal

Sacks — sample. Large + small. —
Packing rolls
Whiskey flasks.
Strips for recording machine.
Medicine chest.

To get at Lab

Files –
Small hammer –
Punch block –
Screw driver 1/4"
Shot gun –
Rifle ✓ –
Blanks for cases – ✓
Glass for needles –
Compass –
Ring for needles –

To get in Sudbury -

Library paste
Chord
Writing material
Quinine
Whiskey
Stamped envelops -
Stamps -

Supplies

For men

- Dip needles ✓
- Compasses ✓
- Ric. Machines ✓
- Bulbs – ✓
- Type ✓
- Extra springs ✓
- ~~Lunch bags~~ – ?
- Hatchets ✓
- ~~Canteens~~ (?) ✓

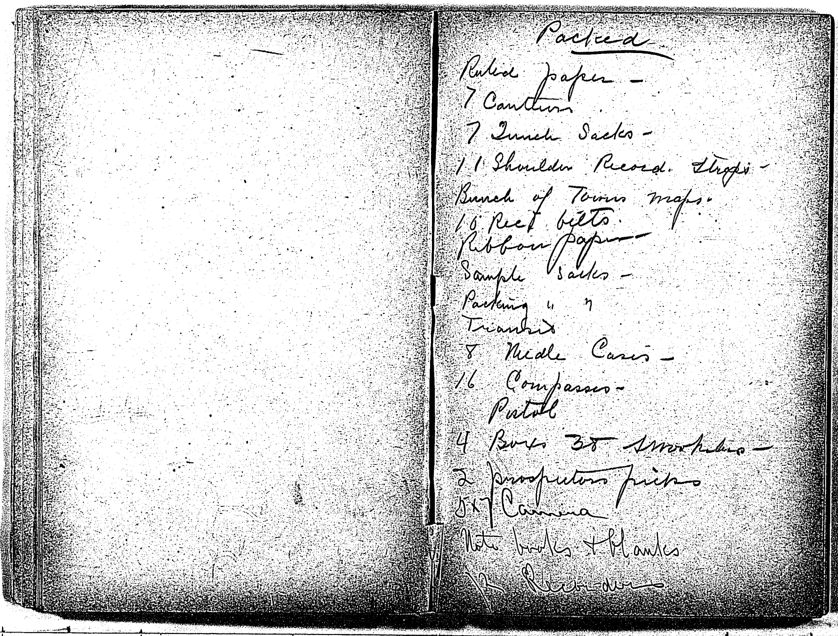
General

- Ruled paper ✓
- Stationery –
  - Envelopes ✓
  - Paper –
- Ruler – ✓
- Tape line – ✓
- Needle tools ✓
- Appara. for rec. Mach. ✓
- Paper ribbons ✓
- Tripod ✓
- Films – ✓
- Transit (Small) ✓
- Maps –
  - Sudbury ~~Dist.~~
  - Townships
- Sample bags – ✓
- ~~Canteens~~
- Sample blanks –
- ✓ Rubber Stamps
  - JVM No. –
- ✓ Rubber pad –
- Files –
- Hammers etc ✓
- Note books
  - Extra sheets ✓
- ✓ Strong cord

For men

General

Rec. ~~Stirrups~~ -
~~Deterum~~ / Rock book
Extra glass for
Compasses -
Needles -
Extra rings for
needles -



Packed

Ruled paper —
7 Canteens
7 Lunch Sacks —
11 Shoulder Record. Straps —
Bunch of Towns maps.
16 Reef belts
Ribbon paper —
Sample sacks —
Packing " "
Transit
8 Needle Cases —
16 Compasses —
Pistol
4 Boxes 38 Smokeless —
2 prospectors picks
5x7 Camera
Note books & blanks
3 Recorders

Ammunition
5 X 7 films
Strong box
Reels –
1 Counter –
2 Compasses –
JVK Stamps

**[THIS BOOK WAS USED IN BOTH DIRECTIONS.
THE FOLLOWING PAGES WERE FILMED FROM
THE BACK END FORWARD.]**

Letters - Supplies Etc

Letter to U.S. Geological Survey -
" " Connecticutt Survey
for topographical co. maps

Men —

Guide — Henry Ranger —
Cook — Tom Galligher —
Helper — Reuben Sweezey —

Needle Men —

Sadler
Dolan
H. G. Brehaut
Upton

Opdyke —

J.V. Miller & Opdyke go over ground in Conn. first running 500 ft lines - SE & NW and noting the kinds of rock & deciding the limits of the survey.

Then needle men run 100' lines & 20' readings.